

Thomas Jefferson Data Summary Cruise 6/21/2010

Review Date 6/22/10

Summary:

This sampling report presents data collected from the Thomas Jefferson for the period of 6/21/2010. CTD graphs for stations sampled during operational period were included with the data provided for this review. No map was available at the time of this review.

Stations occupied during this reporting period include TJ54, TJ55 & TJ56.

All stations were sampled for: TPH, VOAs, and oil dispersion (CTD fluoremetry and dissolved oxygen). No samples were collected for bioassay using the Rototox test. Samples were collected from approximately 3 meters to approximately 45 meters below water surface.

Fluorometry and dissolved oxygen CTD plots for the reporting period 6/21/2010 were received along with fluorometry and dissolved oxygen CTD plots for this review.

LISST and CTD Fluorometer (data collected from 6/21):

Water samples were collected at three (3) stations (TJ54 – TJ56). Station TJ54 recorded possible fluorescence at approximately 8 to 10 meters. While station TJ56 showed significant decreases in DO at 13 & 15 meters, it only recorded a slight increase in fluorescence at the same depth. No LISST data was provided for this reporting period.

Dissolved Oxygen (data collected from 6/21):

Dissolved oxygen values recorded by the CTD indicated decreased DO readings at Station TJ54 correlating with the above stated fluorescence. Station TJ56 showed slight correlated decreases in DO at 13 & 15 meters, while an uncorrelated decrease in DO at a depth of approximately 20 meters.

Toxicity Testing (Rototox Assay) (data collected from 6/21)

No samples were collected for Rototox Assay.

Chemical Analyses (TPH and VOCs) (data collected from 6/21)

Twenty-two (22) samples were collected for VOC analysis, including duplicates, and eleven (11) samples were collected for TPH analysis. No data were provided for review at this time due to laboratory lag time.